MISC

INTRO TO INFORMATION SECURITY

SIGN UP!

https://www.umisc.info/signup

WHAT WE DO

- **Learn** and **discuss** about information security
- Weekly **workshops**
- Guest lectures by **field experts**
- Meetups and **networking** events
- Play **CTFs** (we have our own too!)

WHAT IS
INFORMATION SECURITY?

TOPICS IN INFOSEC

Topic	Description
Web Application Security	Security of websites, web applications and web services
Cryptography	Securely communicating over public channels
Steganography	Hiding data in plain sight
Reverse Engineering	Figuring out how things work
Binary Exploitation	Finding vulnerabilities/bugs in software
Forensics	Like forensics in real life, but with computers (analysing network traffic, memory dumps, etc.)
Mobile Security	Security of apps and mobile operating systems

CAPTURE-THE-FLAG (CTF) COMPETITIONS!

- Solve information security challenges

- Good way to legally practice problem solving and hacking skills

- Fun and educational

- Can win prizes!

- [Cyber Security Challenge Australia](#) (CySCA) is/was Australia's premier CTF (hopefully it runs this year...)

WORKSHOP STRUCTURE

Generally follows the form:

- Talk/eat pizza
- Presentation on some infosec topic
- Solve challenges (relevant to presentation)

Quite flexible and **open to change** depending on feedback.

If you've got something cool you'd like to present, please let us know!

WORKSHOP SCHEDULE

Week	Date	Time	Room
1	**05/03 (Thu)**	**11AM–1PM**	**Kwong Lee Dow–416**
2	09/03 (Mon)	1PM–3PM	Kwong Lee Dow–417
3	16/03 (Mon)	1PM–3PM	Kwong Lee Dow–420
4	23/03 (Mon)	1PM–3PM	Kwong Lee Dow–420
5	02/04 (Thu)	1PM–3PM	Kwong Lee Dow–420
6	09/04 (Thu)	1PM–3PM	Kwong Lee Dow–420
7	23/04 (Thu)	1PM–3PM	Alan Gilbert–103
8	30/04 (Thu)	1PM–3PM	Kwong Lee Dow–420
9	07/05 (Thu)	1PM–3PM	Kwong Lee Dow–420
10	14/05 (Thu)	1PM–3PM	Kwong Lee Dow–420
11	21/05 (Thu)	1PM–3PM	Kwong Lee Dow–420
12	28/05 (Thu)	1PM–3PM	Kwong Lee Dow–420

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INFOSEC MEETUPS!

- **SecTalks** (Monthly, Wed 6pm–8pm)

- **Ruxmon** (Monthly, Fri 6pm–8pm)

- **All Sec** (Monthly, Wed 6pm–8pm)

- DevSecOps (Monthly, ? 6pm–8pm)

- Cyberspectrum (Monthly, Wed/Thu 6pm–8pm)

- Melbourne AWS Security (Monthly, Thu 5:30pm–7:30pm)

PRACTICE RESOURCES

- CTFtime
  - Information and writeups for online CTFs
- picoCTF
  - Beginner friendly CTF created by Carnegie Mellon University
- OverTheWire
  - Fun wargames to practice Linux and other skills
- pwnable.kr
  - Wargame to practice binary exploitation and reverse engineering
- try to decrypt
  - Fun cryptography practice (puzzles)
- Hack The Box
  - Practice your pentesting skills with *realistic* vulnerable machines
- PentesterLab
  - Practice your web app pentesting skills
- MISCCTF
  - Our very own 24/7 CTF platform with over 50 challenges!

THIS WORKSHOP

- **Chat** with us

- Play some **wargames**

- Learn about **Linux** (if you're on Windows - https://aka.ms/wslinstall)

- **CTF!** (teams of 1 or 2) - http://wk1-ctf.umisc.info